

United States Patent [19]

Roberts et al.

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[54] INTERIOR WALL SYSTEM

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[56] References Cited

U.S. PATENT DOCUMENTS

424,352 3/1890 Preussner .
424,353 3/1890 Preussner .
634,739 10/1899 Stearns .
703,151 6/1902 Pause .
711,329 11/1902 Mielck .
723,124 3/1903 Averill .
769,087 8/1904 Ibotson et al. .
782,916 2/1905 Maguire .
1,018,503 2/1912 Kahn .
1,078,845 11/1913 Fraass .
1,105,950 8/1914 Andersen .
1,183,446 5/1916 Freeman .
1,335,301 3/1920 Stoddard .
1,362,563 12/1920 Fahrig .
1,377,891 5/1921 Knight .
1,585,184 5/1926 Christian .
1,589,716 6/1926 Peters .
1,614,315 1/1927 Pape .
1,697,277 1/1929 Hoopes .
1,831,163 11/1931 Crowell .
1,864,287 6/1932 Welch .
1,871,196 8/1932 Pitcher .

1,883,540 10/1932 Campbell 52/353
1,976,190 10/1934 Pfaff et al. 106/29
1,982,892 12/1934 Venzie 72/118
1,994,976 3/1935 Wread 189/46
2,037,889 4/1936 Doud 189/36
2,056,328 10/1936 Price 52/362
2,064,704 12/1936 Vass 72/116
2,089,942 8/1937 Burson 72/46
2,135,763 11/1938 Nicholson 100/35
2,218,273 10/1940 Wilhoyte 72/118
2,237,777 4/1941 Burson 20/11
2,309,452 1/1943 Hasenburger et al. 20/11
2,325,766 8/1943 Gisondi 72/118
2,412,404 12/1946 Jackson 189/34
2,427,392 9/1947 Eckel 411/527
2,450,258 9/1948 Skolnik 106/107
2,698,251 12/1954 Shea, Jr. et al. 106/120
2,702,753 2/1955 Dickey 106/88
2,703,762 3/1955 Slayter 106/105
2,841,205 7/1958 Bird 154/37

(List continued on next page.)

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[57] ABSTRACT

An interior wall system formed from two opposing walls. Each opposing wall is assembled from a plurality of composite wall panels, each wall panel having an exterior surface material and an interior layer of insulating material bonded to one side of the exterior surface material. Each opposing wall is anchored to top and bottom U-shaped support members and adjoining wall panels of each wall are connected by a plurality of retaining clips. The retaining clips may be adjusted in length to accommodate various widths between the opposing walls. Additionally, splines are inserted between the first and second walls along the seams between adjoining wall panels. The wall system also includes a door frame comprising first and second jamb members and a lintel member, each having a spacing member attached to approximately the center thereof. The spacing members are inserted between the opposing walls and are used to anchor the door frame in place.

14 Claims, 9 Drawing Figures